

ABSTRACT OF THE DISCLOSURE

The present invention relates to systems for determining mobile communications system carrier propagation characteristics. In an embodiment, a system includes a frequency scanner, signal strength measurement device, digital verification color code logic, a location determining unit, and a memory. The frequency scanner can output a carrier signal corresponding to a carrier signal identifier, where the frequency scanner is located at a geographical location. The signal strength measurement device can be coupled to the frequency scanner and determine a carrier strength indicator of the carrier signal. The digital verification color code logic can be coupled to the frequency scanner and determine the digital verification color code of the carrier signal. The location determining unit can be coupled to the frequency scanner and determine a location identifier corresponding to the geographical location of the frequency scanner. The memory can be coupled to the frequency scanner and store the carrier signal identifier, the carrier strength indicator, the digital verification color code of the carrier signal, and the location identifier.

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